CLAIMS:

1. A fluid movement system (10), preferably comprised in a cartridge (400) to be inserted into a reading device (420), for moving a sample fluid, characterized by:

pressure variation means (40, 50, 100, 110) for moving the sample fluid under the influence of a pressure variation applied to the fluid movement system (10), and

timing means for controlling the timing for releasing a pressure in the pressure variation means (40, 50, 100, 110).

2. The fluid movement system (10) of claim 1, further comprising a sensing element (140) for sensing the sample fluid, wherein the pressure variation means (40, 50, 100, 110) is arranged for moving the sample fluid from and/or to the sensing element (140).

3. The fluid movement system (10) of claim 1, further comprising fluid guiding means (120, 210, 220) for guiding the sample fluid, preferably by means of capillary forces.

4. The fluid movement system (10) of claim 1, wherein the pressure variation means (40, 50, 100, 110) comprises volume-variation means (40) for generating an overpressure and/or an underpressure by means of a volumetric variation.

5. The fluid movement system (10) of claims 4, wherein the pressure variation means (40, 50, 100, 110) further comprises at least one valve (100, 110).

6. The fluid movement system (10) of claims 4, wherein the pressure variation means (40, 50, 100, 110) further comprises a resilient member (50) for counter-acting against the volumetric variation applied to the volume-variation means (40).

7. The fluid movement system (10) of claim 1, wherein the pressure variation means (40, 50, 100, 110) comprises:

volume-variation means (40) for successively generating an overpressure and/or an underpressure by means of a volumetric variation,

a first valve (100) for releasing the overpressure and/or for at least temporarily maintaining the underpressure, and

a resilient member (50) for counter-acting against the volumetric variation applied to the volume-variation means (40).

Sub A2 cont

8. The sample fluid movement system (10) of claim 7, further comprising:

a second valve (110) for securing the sample fluid against movement as long as the overpressure is maintained and/or for allowing the sample fluid to move as long as the underpressure is maintained.

9. A method for moving a sample fluid, preferably comprised in a cartridge (400) to be inserted into a reading device (420), comprising the steps of:

(a) providing a pressure variation,

(b) moving the sample fluid under the influence of the provided pressure variation, and

(c) controlling the timing for releasing a pressure in the pressure variation means (40, 50, 100, 110).

10. A method for sensing a sample fluid, comprising the steps of:

(a) providing the sample fluid into a cartridge (400),

(b) inserting the cartridge (400) into a reading device (420),

(c) providing a pressure variation in the cartridge (400),

(d) moving the sample fluid to a sensing element (140) by using the provided pressure variation,

(e) controlling the timing for releasing a pressure in the pressure variation means (40, 50, 100, 110), and

(f) sensing the moved the sample fluid by means of the sensing element (140).

11. A software program, adapted to be stored on or otherwise provided by any kind of data carrier, for executing the steps of the method of claim 9 or 10 when run in or by any suitable data processing unit.